

Low Disturbance Deep Tillage Point

Abstract of the Disclosure

Ripper point structure includes a nose with a tapered top that initiates lift and fracture of compacted soil layers. The tapered top with an included angle of about 100 degrees just forward of the parting wear shin creates a parting stress which increases until the center portion of the soil profile is cut by a sharp leading edge of the shin. In a winged embodiment, gently sloping ripper point wings gradually enter the fracture plane left below the lifted compaction layer and initiate a second fracture of the soil profile. The wings are spaced rearwardly from the point so that the point and wear shin have enough time to lift, fracture, and part the soil profile in contact with the shank prior to any wing action.

Assignment

The entire right, title and interest in and to this application and all subject matter disclosed and/or claimed therein, including any and all divisions, continuations, reissues, etc., thereof are, effective as of the date of execution of this application, assigned, transferred, sold and set over by the applicant(s) named herein to Deere & Company, a Delaware corporation having offices at Moline, Illinois 61265, U.S.A., together with all rights to file, and to claim priorities in connection with, corresponding patent applications in any and all foreign countries in the name of Deere & Company or otherwise.